

Prof. Hasan SADIKOĞLU

Personal Information

Fax Phone: [+90 212 383 4725](tel:+902123834725)

Email: hsadik@yildiz.edu.tr

Post Address: YILDIZ TEKNİK ÜNİVERSİTESİ, KİMYA-METALÜRJİ FAKÜLTESİ, KİMYA MÜHENDİSLİĞİ BÖLÜMÜ
DAVUTPAŞA KAMPÜSÜ 34210 ESENLER, İSTANBUL

Education Information

Doctorate, University Of Missouri-Rolla, School Of Engineering, Chemical Engineering, United States Of America 1996 - 1998

Post Graduate, University Of Missouri-Rolla, School Of Engineering, Chemical Engineering, United States Of America 1994 - 1995

Under Graduate, Yıldız Teknik Üniversitesi, Mühendislik, Kimya Mühendisliği, Turkey 1986 - 1990

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, The dynamic modelling and optimal control of the primary and secondary drying stages of bulk solution freeze drying in trays, University Of Missouri-Rolla, School Of Engineering, Chemical Engineering, 1998

Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Thermodynamics, Fluid Mechanics, Heat Transfer, Momentum Transport, Transport Events, Engineering and Technology

Academic Titles / Tasks

Professor, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Kimya Mühendisliği, 2015 - Continues

Associate Professor, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 2009 - 2014

Assistant Professor, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 2006 - 2009

Assistant Professor, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Enerji Sistemleri Mühendisliği, 2000 - 2006

Research Assistant PhD, University Of Missouri-Rolla, School Of Engineering, Chemical Engineering, 1999 - 2000

Professional Experience

Head of Department, Yıldız Teknik Üniversitesi, Temel İşlemler Ve Termodinamik, 2016 - Continues

Dean, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, 2015 - 2016

Rector's Advisor, Gebze Teknik Üniversitesi, 2014 - 2015

Vice Dean, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, 2010 - 2015

Fakülte Akademik Kurul Üyesi, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Doçent Temsilcisi, 2009 - 2015

Head of Department, Gebze Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Müh, 2002 - 2015

Deputy Head of Department, Gebze Teknik Üniversitesi, Kimya Mühendisliği, 2008 - 2014

Director of the Center, Gebze Teknik Üniversitesi, Kazak-Türk Yeninelebilir Enerji Sistemleri, 2004 - 2014
BAP Scientific Commissioner, Gebze Teknik Üniversitesi, 2001 - 2011

Courses

Kimya Mühendisliği Akışkanlar Mekaniği, Under Graduate, 2019 - 2020
KİMYA MÜHENDİSLİĞİNDE UYGULAMALI İLERİ MATEMATİK II, Post Graduate, 2017 - 2018
GIDA ENDÜSTRİSİNDE MATEMATİKSEL UYGULAMALAR VE MODELLEME , Doctorate, 2017 - 2018
KİMYA MÜHENDİSLİĞİNDE UYGULAMALI İLERİ MATEMATİK I, Post Graduate, 2017 - 2018
OPTIMIZATION IN CHEMICAL ENGINEERING, Under Graduate, 2017 - 2018
LİNEER CEBİR ve DİFFERANSİYEL DENKLEMLER, Under Graduate, 2003 - 2004

Advising Theses

Sadıkoğlu H., QUATERNIZED AMMONIUM FUNCTIONALIZED POLYLACTIC ACID FILMS : STRUCTURE-ANTIMICROBIAL ACTIVITY RELATIONSHIP AND MECHANICAL/BARRIER PROPERTIES, Doctorate, F.AYNAL(Student), 2020
Sadıkoğlu H., Gasification And Mathematical Modelling of Solid Fuels in a Downdraft Gasifier, Doctorate, E.SİDDİK(Student), 2019
Sadıkoğlu H., Püskürtmeli Dondurarak Kurutma Methodunun Matematiksel Modellemesi , Post Graduate, D.UĞURLU(Student), 2019
Sadıkoğlu H., Proton Geçirimli Mebran Tipi Yakıt Hücrelerinde Gaz Difüzyon Tabakasının Modifikasyonu ve Modellenmesi, Post Graduate, Ş.KİL(Student), 2019
SADIKOĞLU H., Freeze-Drying of Turkey Breast Meat: Mathematical Modeling and Estimation of Transport Parameters, Doctorate, Ö.CUMHUR(Student), 2016
SADIKOĞLU H., Dondurarak Kurutma Metoduyla Çözünebilir Çay Üretme İşleminin Modellenmesi ve Taşınım Parametrelerinin Belirlenmesi, Post Graduate, E.SİDDİK(Student), 2014
SADIKOĞLU H., Çimento Sektöründe Teknoloji İhtiyaç Değerlendirmesi ve Sera Gazı Potansiyelinin Belirlenmesi, Post Graduate, K.RENDE(Student), 2013
SADIKOĞLU H., Metabolom Verilerinin Hesaplamalı Analizi ile Metabolik Ağyapı Çıkarımı, Post Graduate, M.ÖKSÜZ(Student), 2011
SADIKOĞLU H., Metabolik Akı Analizi Tekniklerini Kullanarak Hücrenin Biyolojik Amacının İncelenmesi, Post Graduate, F.TARLAK(Student), 2011
SADIKOĞLU H., Meyvelerin Dondurarak Kurutulması, Post Graduate, N.ÖZENİR(Student), 2009
SADIKOĞLU H., Polimer elektrolit yakıt hücreleri için nano boyutlu elektro-katalizör sentez ve karakterizasyonu, Post Graduate, Y.OĞUR(Student), 2009
SADIKOĞLU H., Dondurarak kurutma yöntemi ile çözünebilir çay üretimi, Post Graduate, Ö.ÖZ(Student), 2009
SADIKOĞLU H., Pozisyona bağlı difüzyon katsayısı içeren karışık akımlı sistemlerde difüzyon işleminin modellenmesi, Post Graduate, Y.KOCA(Student), 2008
SADIKOĞLU H., Zeytin kara suyundan antioksidantların ayrıştırılması, Post Graduate, Ö.KAYHAN(Student), 2007
SADIKOĞLU H., Atık uzaklaştırma sistemlerinde enerji geri kazanımı, Post Graduate, Ç.BENGÜL(Student), 2007
SADIKOĞLU H., Kesikli ve sürekli sistemde geliştirilmiş nişastanın reolojik özelliklerinin Karşılaştırılması, Post Graduate, M.KARA(Student), 2007
SADIKOĞLU H., Sulu Ranyant Sistemler, Post Graduate, İ.A.(Student), 2007
SADIKOĞLU H., Yarı Mamül Politetrafloroetilenin Saf ve Alaşımli Olarak Üretiminde Basınç Etkisinin Belirlenmesi, Post Graduate, A.GÜL(Student), 2007
SADIKOĞLU H., Bir Sanayi Bölgesi İçin Kojenarasyonla Elektrik, Buhar ve Sıcak Su Üretiminin Termodinamiksel Analizi, Post Graduate, S.GÜL(Student), 2005
SADIKOĞLU H., Karışık Akımlı Sistemlerde Difüzyon İşleminin Matematiksel Modellenmesi, Post Graduate, D.ŞEN(Student), 2005
SADIKOĞLU H., Gaz Türbinli Bileşik Isı-Güç Üretim Sisteminin Termodinamik Çözümlemesi, Post Graduate, Ç.TEKELİ(Student), 2003

SADIKOĞLU H., Güneş Enerjisi ile Kurutma, Post Graduate, İDÜZER(Student), 2003

SADIKOĞLU H., Isı Transferi Denklemlerinin Çeşitli Sayısal Yöntemlerle Çözülmesi, Post Graduate, R.Gürkan(Student), 2002

Jury Memberships

Competition, TÜBİTAK LİSELER ARASI PROJE YARIŞMASI, Yıldız Teknik Üniversitesi, February, 2020
Appointment Academic Staff, Appointment Academic Staff, Yeditepe Üniversitesi, January, 2020
Award, TÜBA-GEDİP ÖDÜLLERİ, TURKISH ACADEMY OF SCIENCE, October, 2019
Appointment Academic Staff, Appointment Academic Staff, Gebze Teknik Üniversitesi, October, 2019
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2019
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2019
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2019
Post Graduate, SINAV JÜRİSİ, GEBZE TEKNİK ÜNİVERSİTESİ, May, 2019
Associate Professor Exam, SINAV JÜRİSİ, İNÖNÜ ÜNİVERSİTESİ, April, 2019
Associate Professor Exam, SINAV JÜRİSİ, YALOVA ÜNİVERSİTESİ, April, 2019
Appointment Academic Staff, PROFESÖRLÜK KADROSUNA ATAMA, FIRAT ÜNİVERSİTESİ, March, 2019
Appointment Academic Staff, Dr. Öğretim Üyesi Atama, GEBZE TEKNİK ÜNİVERSİTESİ, January, 2019
Doctorate, TEZ SAVUNMA (DOKTORA), GEBZE TEKNİK ÜNİVERSİTESİ, January, 2019
Appointment Academic Staff, Profesör Atama Jüresi, YEDİTEPE ÜNİVERSİTESİ, August, 2018
Doctorate, Tez Savunma Jürisi, YEDİTEPE ÜNİVERSİTESİ, May, 2018
Appointment Academic Staff, Yrd. Doç Atama , GEBZE TEKNİK ÜNİVERSİTESİ, March, 2018
Doctorate, Tez Savunma Jürisi, GEBZE TEKNİK ÜNİVERSİTESİ, February, 2018
Doctorate, Tez Savunma Jürisi, YILDIZ TEKNİK ÜNİVERSİTESİ, January, 2018
Doctorate, Tez Savunma Jürisi, GEBZE TEKNİK ÜNİVERSİTESİ, January, 2018
Appointment Academic Staff, Yrd. Doç Atama , ONDOKUZ MAYIS ÜNİVERSİTESİ, December, 2017
Doctorate, Tez Savunma Jürisi, YEDİTEPE ÜNİVERSİTESİ, May, 2017
Award, TÜBİTAK TEZ YARIŞMASI, BİLİM VE SANAYİ BAKANLIĞI, October, 2016
Associate Professor Exam, Doçentlik Sınav Jürisi, YÖK, October, 2016
Associate Professor Exam, Doçentlik Sınav Jürisi, YÖK, October, 2016
Doctorate, Tez Savunma Jürisi, İSTANBUL ÜNİVERSİTESİ, June, 2016
Associate Professor Exam, Doçentlik Sınavı, ORTA DOĞU TEKNİK ÜNİVERSİTESİ, May, 2016
Appointment Academic Staff, Profesör Atama Jüresi, AVRASYA ÜNİVERSİTESİ, April, 2015
Award, İNOVASYON ÖDÜLÜ, İSTANBUL SANAYİ ODASI, September, 2013
Award, İNOVASYON ÖDÜLÜ, İSTANBUL SANAYİ ODASI, September, 2011
Award, İNOVASYON ÖDÜLÜ, İSTANBUL SANAYİ ODASI, September, 2009

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Development and characterization of edible films based on modified corn starch and grape juice**
Yildirim-Yalcin M., ŞEKER M., SADIKOĞLU H.
FOOD CHEMISTRY, vol.292, pp.6-13, 2019 (Journal Indexed in SCI)
- **Response surface methodology for evaluation of the effects of screw speed, feed moisture and xanthan gum level on functional and physical properties of corn half products**
GÜMÜŞAY Ö., ŞEKER M., SADIKOĞLU H.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.111, no.3, pp.622-631, 2019 (Journal Indexed in SCI)
- **Comparison of the different artificial neural networks in prediction of biomass gasification products**
YÜCEL Ö., AYDIN E., SADIKOĞLU H.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, no.2, 2019 (Journal Indexed in SCI)
- **Experimental study on hydrogen-rich syngas production via gasification of pine cone particles and wood pellets in a fixed bed downdraft gasifier**
AYDIN E., YÜCEL Ö., SADIKOĞLU H.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, pp.17389-17396, 2019 (Journal Indexed in SCI)
- **Synthesis and characterization of antimicrobial polylactide via ring-opening polymerization and click chemistry methods**
Aynali F., DOĞANCI E., Doruk T., SADIKOĞLU H.
POLYMER INTERNATIONAL, vol.68, pp.385-393, 2019 (Journal Indexed in SCI)
 - **Numerical and experimental investigation of hydrogen-rich syngas production via biomass gasification**
Aydin E. S. , Yucel O., Sadikoglu H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, pp.1105-1115, 2018 (Journal Indexed in SCI)
 - **Assessment of CO₂ reduction techniques of cement production in Turkey**
Rende K., Ercan O., Hilmioglu B., Ergenekon P., SADIKOĞLU H.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.16, pp.18-38, 2018 (Journal Indexed in SCI)
 - **Development of a semi-empirical equilibrium model for downdraft gasification systems**
Aydin E. S. , Yucel O., Sadikoglu H.
ENERGY, vol.130, pp.86-98, 2017 (Journal Indexed in SCI)
 - **Modelling and simulation of a moving interface problem: freeze drying of black tea extract**
Aydin E. S. , Yucel O., Sadikoglu H.
HEAT AND MASS TRANSFER, vol.53, pp.2143-2154, 2017 (Journal Indexed in SCI)
 - **Freeze drying of turkey breast meat: Mathematical modeling and estimation of transport parameters**
Cumhur O., Seker M., Sadikoglu H.
DRYING TECHNOLOGY, vol.34, pp.584-594, 2016 (Journal Indexed in SCI)
 - **FREEZE-DRYING KINETICS AND DIFFUSION MODELING OF SAFFRON (CROCUS SATIVUS L.)**
ACAR B., Sadikoglu H., DOYMAZ İ.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.39, pp.142-149, 2015 (Journal Indexed in SCI)
 - **The role of flexibility and optimality in the prediction of intracellular fluxes of microbial central carbon metabolism**
Tarlak F., Sadikoglu H., Cakir T.
MOLECULAR BIOSYSTEMS, vol.10, pp.2459-2465, 2014 (Journal Indexed in SCI)
 - **Sparsity as Cellular Objective to Infer Directed Metabolic Networks from Steady-State Metabolome Data: A Theoretical Analysis**
Oksuz M., Sadikoglu H., Cakir T.
PLOS ONE, vol.8, 2013 (Journal Indexed in SCI)
 - **Network Inference via Computational Analysis of Metabolome Data**
Oksuz M., Sadikoglu H., Cakir T.
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
 - **Role of Flexibility and Minimal Enzyme Production in the Prediction of Intracellular Fluxes of Microorganisms**
Tarlak F., Sadikoglu H., Cakir T.
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
 - **Freeze Drying of Saffron (Crocus sativus L.)**
ACAR B., Sadikoglu H., ÖZKAYMAK M.
DRYING TECHNOLOGY, vol.29, pp.1622-1627, 2011 (Journal Indexed in SCI)
 - **Solution of counter diffusion problem with position dependent diffusion coefficient by using variational methods**
Yuksekk K., Koca Y., Sadikoglu H.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.232, pp.285-294, 2009 (Journal Indexed in SCI)
 - **Freeze-drying of pharmaceutical products: Research and development needs**
Sadikoglu H., OZDEMIR M., SEKER M.
DRYING TECHNOLOGY, vol.24, pp.849-861, 2006 (Journal Indexed in SCI)
 - **A mathematical model for potassium sorbate diffusion through whey protein films**
Sadikoglu H., SEN D., OZDEMIR M.
DRYING TECHNOLOGY, vol.24, pp.21-29, 2006 (Journal Indexed in SCI)
 - **Optimal control of the secondary drying stage of freeze drying of solutions in vials using variational**

calculus

Sadikoglu H.

DRYING TECHNOLOGY, vol.23, pp.33-57, 2005 (Journal Indexed in SCI)

- **Properties of cross-linked starch produced in a single screw extruder with and without a mixing element**
SEKER M., Sadikoglu H., HANNA M.
JOURNAL OF FOOD PROCESS ENGINEERING, vol.27, pp.47-63, 2004 (Journal Indexed in SCI)
- **Phosphorus binding to starch during extrusion in both single- and twin-screw extruders with and without a mixing element**
SEKER M., Sadikoglu H., OZDEMIR M., HANNA M.
JOURNAL OF FOOD ENGINEERING, vol.59, pp.355-360, 2003 (Journal Indexed in SCI)
- **Optimal control of the primary drying stage of freeze drying of solutions in vials using variational calculus**
Sadikoglu H., Ozdemir M., Seker M.
DRYING TECHNOLOGY, vol.21, pp.1307-1331, 2003 (Journal Indexed in SCI)
- **Cross-linking of starch with reactive extrusion and expansion of extrudates**
SEKER M., Sadikoglu H., OZDEMIR M., HANNA M.
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.6, pp.473-480, 2003 (Journal Indexed in SCI)
- **Use of UNIFAC in the prediction of water activity values of aqueous polyol solutions**
OZDEMIR M., Sadikoglu H.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.23, pp.109-120, 1999 (Journal Indexed in SCI)
- **Surface treatment of food packaging polymers by plasmas**
OZDEMIR M., YURTERI C., Sadikoglu H.
FOOD TECHNOLOGY, vol.53, pp.54-58, 1999 (Journal Indexed in SCI)
- **Estimation of the effect of product shrinkage on the drying times, heat input and condenser load of the primary and secondary drying stages of the lyophilization process in vials**
Sadikoglu H., LIAPIS A., CROSSER O., BRUTTINI R.
DRYING TECHNOLOGY, vol.17, pp.2013-2035, 1999 (Journal Indexed in SCI)
- **Physical polymer surface modification methods and applications in food packaging polymers**
OZDEMIR M., YURTERI C., Sadikoglu H.
CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION, vol.39, pp.457-477, 1999 (Journal Indexed in SCI)
- **Frontal chromatography of proteins: The effect on column performance of the restricted diffusion of molecules in porous chromatographic adsorbents**
LIAPIS A., Sadikoglu H., CROSSER O.
JOURNAL OF CHROMATOGRAPHY A, vol.828, pp.345-356, 1998 (Journal Indexed in SCI)
- **Characterization of rheological properties of systems containing sugar substitutes and carrageenan**
OZDEMIR M., Sadikoglu H.
INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, vol.33, pp.439-444, 1998 (Journal Indexed in SCI)
- **A new and emerging technology: Laser-induced surface modification of polymers**
OZDEMIR M., Sadikoglu H.
TRENDS IN FOOD SCIENCE & TECHNOLOGY, vol.9, pp.159-167, 1998 (Journal Indexed in SCI)
- **Optimal control of the primary and secondary drying stages of bulk solution freeze drying in trays**
Sadikoglu H., Liapis A., Crosser O.
DRYING TECHNOLOGY, vol.16, pp.399-431, 1998 (Journal Indexed in SCI)
- **Dynamic pressure rise in the drying chamber as a remote sensing method for monitoring the temperature of the product during the primary drying stage of freeze drying**
LIAPIS A., Sadikoglu H.
DRYING TECHNOLOGY, vol.16, pp.1153-1171, 1998 (Journal Indexed in SCI)
- **Mathematical modelling of the primary and secondary drying stages of bulk solution freeze-drying in trays: Parameter estimation and model discrimination by comparison of theoretical results with experimental data**
Sadikoglu H., LIAPIS A.
DRYING TECHNOLOGY, vol.15, pp.791-810, 1997 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Dondurarak Kurutma Teknolojisi ve Evreleri**
SADIKOĞLU H., OZDEMİR M.
GIDA, vol.28, pp.643-649, 2003 (Other Refereed National Journals)
- **Dondurarak Kurutma Teknolojisi**
SADIKOĞLU H., OZDEMİR M.
TERMOKLİMA, vol.103, pp.53-61, 2001 (Other Refereed National Journals)

Book & Book Chapters

- **in: Exergetic, Energetic and Environmental Dimensions**
AYDIN E. S. , YÜCEL Ö., SADIKOĞLU H.
Numerical Investigation of Fixed Bed Downdraft Woody Biomass Gasification, İbrahim Dincer, Can Ozgur Colphan, ve Ozgur Kizilkan, Editor, Elsevier, Hollanda, pp.566-580, 2018
- **in: SPRAY DRYING TECCNOLOGY**
SADIKOĞLU H.
SPRAY FREEZE DRYING, WOO M.W., DAUD WRW, MUJUMDAR A.S., Editor, Natioanal University Of Singapore, Singapur, pp.157-182, 2010
- **Yüksek Performanslı Bilişim,1.Ulusal YPBS 2002**
SEVİLGEN E., SADIKOĞLU H.
Gebze Yüksek Teknoloji Enstitüsü, Kocaeli, 2002

Refereed Congress / Symposium Publications in Proceedings

- **THEORETICAL INVESTIGATION OF FREEZE-DRYING**
Bilgiç B., Baydar Atak G., Sadıkoğlu H.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING , İstanbul, Turkey, 17 - 19 Aralık 2019, pp.1362-1363
- **A GENERAL OVERVIEW: PRODUCTION OF PLATELETS IN A MICROCHANNEL**
Baydar Atak G., Oruç M. E. , Sadıkoğlu H.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING , İstanbul, Turkey, 17 - 19 Aralık 2019, pp.1204
- **Cost Analysis of Renewable Energy Technologies**
İnsel M. A. , Sadıkoğlu H., Melikoğlu M.
International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 17 - 19 Aralık 2019, pp.1
- **Theoretical Investigation of Significant Parameters Affecting the Platelet Formation in Microchips**
Baydar Atak G., İnsel M. A. , Oruç M. E. , Sadıkoğlu H.
ICESME, Gime, Cyprus (Kktc), 8 - 10 Kasım 2019, pp.23
- **Antimikrobiyal Polilaktik Asit Filmlerin Hazırlanması Ve Termal/Mekanik Özelliklerinin İncelenmesi**
Aynalı F., Sadıkoğlu H.
31.Ulusal Kimya Kongresi, İstanbul, Turkey, 10 Eylül - 13 Ekim 2019, pp.10-16
- **Modification and Modelling of GasDiffusion Layer on PEM Fuel Cells**
Kil Ş., ÖZDEMİR O. K. , SADIKOĞLU H.
4th International Hydrogen Technologies Congress, Edirne, Turkey, 20 - 23 Haziran 2019
- **Optimization of Gas Diffusion Layer on PEM Fuel Cells**
Kil Ş., ÖZDEMİR O. K. , SADIKOĞLU H.
International Eurasian Conference onScience, Engineering and Technology, 22 - 23 Kasım 2018
- **Optimization of Gas Diffusion Layer for Pem Fuel Cells**
Kil Ş., ÖZDEMİR O. K. , SADIKOĞLU H.
International Eurasian Conference on Science, Engineering and Technology (EurasianSciEngTech2018), Ankara, Turkey, 22 Kasım 2018, pp.20-25

- **Mathematical Modelling of Spray Freeze Drying Method Used for Inhaled Drug Production**
Uğurlu D., Aydın E., SADIKOĞLU H.
International Eurasian Conference on Science, Engineering and Technology (EurasianSciEngTech2018), Ankara, Turkey, 22 Kasım 2018, pp.1-8
- **FLOW DYNAMICS IN A MICROCHANNEL FOR PLATELET FORMATION FROM MEGAKARYOCYTE**
Baydar Atak G., Oruc M. E. , Sadikoglu H.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 Ekim 2018, pp.79
- **ANALYTICAL SOLUTION TO COUNTERCURRENT DIFFUSION PROBLEM WITH DYNAMIC BOUNDARY CONDITIONS**
SADIKOĞLU H., AYDIN E. S. , YÜCEL Ö.
ICFAS2017 "International Congress on Fundamental and Applied Sciences", Saraybosna, Bosnia And Herzegovina, 21 Ağustos 2017, pp.12-19
- **NUMERICAL SOLUTION OF THE FREEZE DRYING OF BLACK TEA EXTRACT WITH ORTHOGONAL COLLOCATION METHOD**
AYDIN E. S. , YÜCEL Ö., SADIKOĞLU H.
ICFAS2017 "International Congress on Fundamental and Applied Sciences", Saraybosna, Bosnia And Herzegovina, 21 Ağustos 2017, pp.20-26
- **A modeling approach to determine the relationship between gasification parameters and hydrogen production**
AYDIN E. S. , YÜCEL Ö., SADIKOĞLU H.
3rd International Conference on Engineering and Natural Sciences, Budapeşte, Hungary, 03 Mayıs 2017, pp.255-262
- **Proximate analysis of torrefied and pyrolyzed wood pellets using ft-nir spectroscopy**
AYDIN E. S. , YÜCEL Ö., SADIKOĞLU H.
3rd International Conference on Engineering and Natural Sciences, Budapeşte, Hungary, 03 Mayıs 2017, pp.755-760
- **Numerical Investigation of Fixed Bed Downdraft Woody Biomass Gasification**
AYDIN E. S. , YÜCEL Ö., SADIKOĞLU H.
8th International Exergy and Environment Symposium (IEEES-8), Antalya, Turkey, 01 Mayıs 2016, pp.867-871
- **Freeze Drying of Instant Tea and Determination of Effective Parameters**
AYDIN E. S. , YÜCEL Ö., SADIKOĞLU H.
1st International Porous and Powder Materials Symposium and Exhibition, İzmir, Turkey, 03 Eylül 2013, pp.115-121
- **Effect of Operational Parameters on Spray Freeze Drying**
AYDIN E. S. , YÜCEL Ö., SADIKOĞLU H.
44thWorld Chemistry Congress, İstanbul, Turkey, 11 Ağustos 2013, pp.12-16
- **Optimization Based Inference of Metabolic Networks from Metabolome Data**
Oksuz M., Sadikoglu H., Cakir T.
11th International Conference on Computational Methods in Systems Biology (CMSB), Klosterneuburg, Austria, 22 - 24 Eylül 2013, vol.8130, pp.266-267
- **Role of Flexibility and Minimal Enzyme Production in the Prediction of Intracellular Fluxes of Microorganisms', , Istanbul-TÜRKİYE (23-26 Eylül, 2012).**
TARLAK F., SADIKOĞLU H., ÇAKIR T.
15th European Conference on Biotechnology (ECB-15), İstanbul, Turkey, 23 Eylül 2012, pp.102-108
- **Predicting Intracellular Flux Distributions of Microorganisms**
TARLAK F., SADIKOĞLU H., ÇAKIR T.
2hnd Conference on Constraint-based Reconstruction and Analysis (COBRA 2012), Helsingor, Denmark, 07 Eylül 2012, pp.99-102
- **Investigation of Alternative Network Inference Methods for Reverse Engineering of Metabolome Data**
OKSUZ M., SADIKOĞLU H., ÇAKIR T.
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Activities in Scientific Journals

Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, Editor, 2015 - Continues

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Tasks In Event Organizations

Sadikoğlu H., World Energy Strategies Congress and Exhibition (WESCE-2019), Scientific Congress, İstanbul, Turkey, Ağustos 2019

Invited Congress and Symposium Activities

World Energy Strategies Congress and Exhibition (WESCE-2019), Session Moderator, İstanbul, Turkey, 2019
WESCE-2019, World Energy Strategies Congress and Exhibition, Invited Speaker, İstanbul, Turkey, 2019
WESCE-2019, Moderator, İstanbul, Turkey, 2019
WESCE-2019, Working Group, İstanbul, Turkey, 2019
ICFAS2017, Attendee, Sarajevo, Bosnia And Herzegovina, 2017
Örnek Kişilerle Kendini Anla, Geleceğini Planla, Invited Speaker, Trabzon, Turkey, 2016
IDS 98, Attendee, Thessaloniki, Greece, 1998
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Mathematical Modelling and Simulation of Physical Systems: An Engineering Approach, Seminar, Gebze Teknik Üniversitesi, Turkey, November 2019
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Scholarships

DOKTORA ARAŞTIRMA BURSUSU, University, 1996 - 1998
YURT DIŞI YÜKSEK LİSANS VE DOKTORA BURSUSU, YOK, 1993 - 1998